



# Notebook V

No. 1876  
Wm. L. Kennedy Library  
11 N. Fourth St.  
St. Louis, Mo.

H. S. Ladd  
4354 McPherson Av.,  
St. Louis, Mo.

1922

Mon. March 13, 22 -

Vern

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NE 2nd

Mar 3-16, 1925

B.H. T. 1000

B

## Geology Note

Coll. P.T. 23      3/13/22

Trip to <sup>cool</sup> mine at Thermal,  
Ill. Very well equipped mine owned  
by Donk Bros. Coal Co. Took Ill.  
Traction car at Edge Bridge & rode  
almost due east past Indian Mounds.  
(rise from flood plain of Miss. R. to  
"late maturity" country to east is rather  
abrupt.) Mine is very well equipped  
due to large amount of money spent  
on execu equipment during war  
(to avoid paying it to govt in  
excess profits tax). Buildings of  
cement concrete. Electric mules,  
lights, & whitewashed walls, &  
dry floors (due to overlaying shale) done  
away with all former idea  
of coal miner.

Coal seam is 5 ft. or more in  
thickness. It is mined by mechanical  
undermining followed (?) by blasting.

Loose coal is loaded on car, hauled by electric locomotives to foot of shaft where car & coal are hoisted ~~up~~<sup>up</sup> to top of shaft & turned (literally) upside down into breaker.

The coal (bituminous) is full of small faults. ~~Some~~ of the resulting polished slickensides are mineralized by deposition of pyrite. Pyrite and white organic matter are plentiful.

Coal is overlain by alternating beds of shale and limestone.

Method of mining is ~~wasteful~~<sup>very</sup> wasteful as about 50% of the coal is left or pillars to support the roof. A less wasteful but more costly way is to mine from the outside of the field toward a central shaft allowing coal to cave in after all

coal is removed. Perhaps someday they will be compelled to do this by law.

- Three slickensides collected - 2 mineralized

June 10 Sectioned up tub. to Up. La  
in A. M. & started evening  
(& killed shank). To Caces  
for mail & supplies. To  
Fillmore Co., Minn. for  
May-Gas contact (no  
luck). Camped near (so)  
Urgoott. Wrote APL &  
LSS. - notes, etc & cards  
& to bed.

more money  
and more time  
to do what  
I wanted  
to do.

Spent \$10 by hotel  
and \$10 by car  
and \$10 by food  
and \$10 by gas  
and \$10 by clothes  
and \$10 by books  
and \$10 by souvenirs

Set up a new  
mail account  
and got a new  
checkbook

Field Trip ~ 5/17/22

Mother }  
J. Taylor }  
J. Adair }  
~~J. H. Miller~~

Succession  
observed

1st exposure - about 1 m. S. Funches, Me.  
feature - a siliceous dome,  
 fine-grained, hardness about three  
 - mud cracks present - vein  
 in top! (calcite) present -  
 Shale - roughly W by N 16 deg S E  
 - arenaceous (specimen collected full calcite)  
 - weather, pink & yellow in places  
 but no hope to water from vegetation  
 - mud veins indicate - some brecciated  
 zones - also small, somewhat  
 crystallized (magnetite?), no fossils  
 found, mineral present. Fipple  
 Mts - calcite

Oster Hill, N. of Beck  
Very thick, highly sulfurous  
(mostly gypsum), slightly brecciated,  
yellow (may have caused  
brecciation), occurring in  
honeycomb structure, blackish  
limestone, some layers almost  
lithographic, quartz crystals  
present, also calcite, thickness very  
in thickness  $13 - 2\frac{1}{2}$  ft., shaly layer  
(yellow-green) half way down  
hill - about 3 thick. Lignite in  
the bottom of the Oster Hill  
is probably gypsum (not  
the usual coal), though the  
shale being several feet above  
anticlinal plateau lies conformably  
on the Joachim, ripple marks  
in Joachim.

St Peter Sawdust see

Jeff City ident. Report.

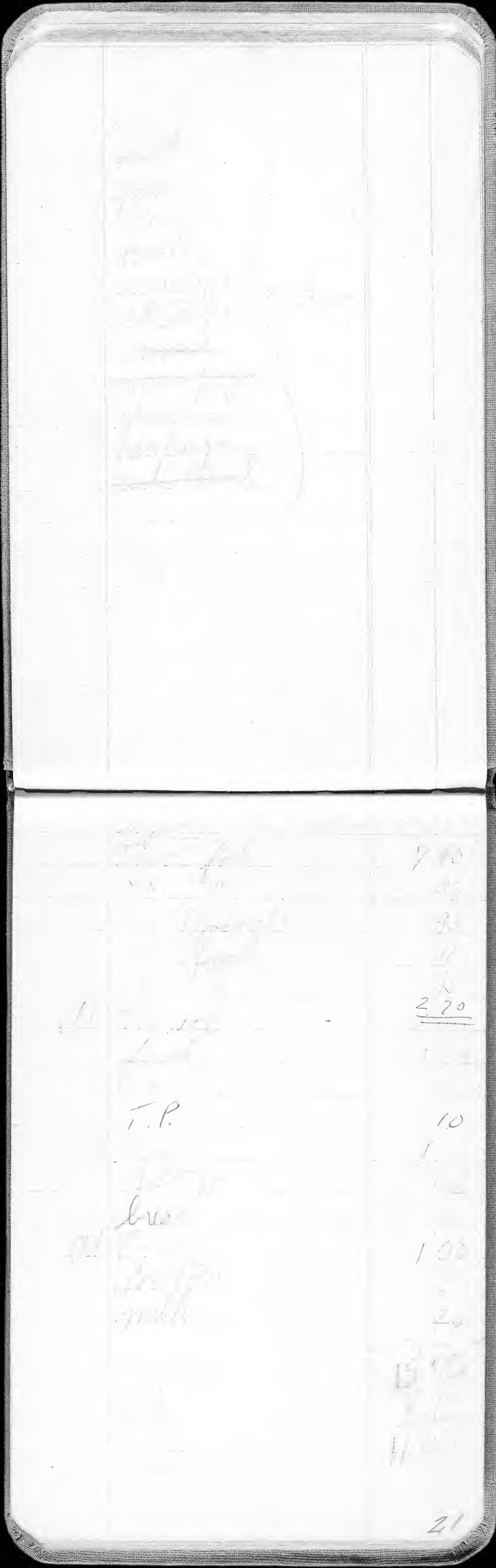
Went to the  
"Beverly Hills"  
Hotel to have  
lunch. The food  
was excellent.  
The service was  
excellent. The  
waiters were  
very friendly.  
We had a great  
time.

to Michael Sory





Pathology Notes



newspaper

08

22

23





Entomology Note









1922

VI  
Ladd

Q74

9.10

210

274

Ladd

II

1922





40

Fri  
Feb. 24. - Mon. March 12.  
(incl.)

Regular work at University.  
No high life except initiation & banquet - some  
liquor & a dance afterward.  
Evening (March 10) with Milt  
to see Way Down East & chaw  
& eat at University Club.  
Failed to get prospective  
position at Shurtleff's assistant  
in S.E. Mo. or Mr. Buhler (State  
Geol.) is not sending him  
there. May get 300 - 700  
fellowship to Iowa State.  
Aimed to speak at  
departmental meeting  
in next program! Darned  
Alice home. Car still  
in shop.

Mon. March 13, 1924

Cloudy in morn. To  
Dark Bros Coal Mine at Thermal  
Ill. - About 1 hour and 20 min. 41°

ride from Eade Bridge. Went down 200 ft. (see. page 1). Home evening

Tues. Mch. 14, '24

U. till 5<sup>00</sup> P.M. - home in evening. Can't see Mr. Cabell for a while or he is going away.  
Will call me.

Wed. Mch. 15, '24

- nothing of importance regular work.

Th. Mch. 16, '24

Folks home - regular work.

Fri. Mch. 17, '24

Tutored some in evening.

Worked at home in morning.

- U. in afternoon.

Sat. Mch. 18, '24

U. all day - walked home as usual picked up at highway  
(Roku in evening - won again).

Sun. Mch. 19 - Tues Apr. 15 (incl.)

(not written up -  
not much of importance.  
- same old program.)

~~Had misunderstanding  
with S. E. C.~~

Wed. Apr. 19, 1922

U. all day - walk with  
Hedlin morning - to lecture by  
Dr. Hansen on "Early Ancestry  
of Man" at Public Library with Bill.  
Took Hansen & his wife home.  
Dr. & Mrs. Campbell (?) & Dr. &  
Mrs. Hill here in evening - &  
Gordon as usual. - No word from  
Irene or Iowa yet!

Thur. Apr. 20 - ~~Fri.~~ May <sup>2</sup><sub>3</sub>, 1922  
(not written up at time -  
second notice that I  
had been elected to  
membership in Sigma Xi  
and that I had been  
awarded \$700<sup>00</sup> Iowa  
Grad. Assistantship on  
same day!! surely  
did make me feel  
good!)

(Sat. Apr. 21 - Baker Park  
Shirt, boat Mac, Herald H.  
W. 5-14, 14-15, 15-16  
Shirt & jacket  
Sweatshirt  
W. 14-15, 15-16  
W. 16-17, 17-18  
W. 18-19, 19-20  
W. 20-21, 21-22  
W. 22-23, 23-24  
W. 24-25, 25-26  
W. 26-27, 27-28  
W. 28-29, 29-30  
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W. 7

Mon. May 8, '22

Class - field trip to Meramec Highlands (see Geol. notes). To supper with Hazel & long ride afterwards.

Tues. May 9, 1922.

Regular class work - Rock (clay) tests in afternoon - finished moulding. Home in evening - studied some. Have new pupil (Miss Oatman at  $\frac{1}{2}$ ¢ an hour)

Wed. May 10, 1922

Worked from 6<sup>30</sup> to 6<sup>30</sup> & some in evening. Regular work including 1 hour tutoring. (at 1<sup>00</sup> an hour). Fired my first buckee today (to cone 05).

Thurs. May 11, '22.

Classes all day - Dr. Moore gave his talk before the Conference - good. Home in evening - working on old Mineralogy notes. (9/1/22 d.E.C. OK by this time)

~~Wed. May 12, '22~~

~~Fri. May 12, '22~~

Fri. May 12, '22

Cut class & walked in park with Hazel till 11<sup>30</sup>. Tutored an hour and went on trip to Laclede Chasity in afternoon (see p.). Studied till 2<sup>00</sup> AM.

Sat. May 13, '22

Cut English (overdue) - walk at noon - worked till 9<sup>30</sup> <sup>trud to 30</sup> - <sup>Babak took away</sup> out with Harold & Jean - rotten time.

Sun. May 14, '22

Nothing in particular - Dr. Burkett offered me a place in his touring party (last) this summer - refused.

Mon. May 15, '22

Classes - tutored at 8<sup>00</sup> - called home in afternoon - Mother sick 44

With Tal to conquer little  
Napoleon in evening. Bed  
late.

Tues. May 16, '22

Eng. class - cut out down  
town - dinner with Uncle Channing.  
Work in afternoon - With Hazel  
in evening ! ! ! ! ! ! !

Wed. May 17, '22

All day field trip to Eureka,  
Mo. with Hist. Geol. class &  
Petrology class - good time - wrote  
report in evening. - see report  
and also pp. 5-6 (V)

Thurs. May 18, '22

Classes & work all day - game  
at Japs' - Shipton, Mac, Kosch, &  
Bonner. Waggin.

Fri. May 19, '22

U. all day - H.S.-3 - felt badly  
in evening. Laid down at  
9<sup>00</sup> & woke up at 6<sup>00</sup> Sat. morn.

Sat. May 20, '22

Walk - saw it for hour (standard)  
- Σ X meeting & poker - lost considerably.

Sun. May 21, '22

Studied all day - finished one  
Petrology report!

Mon. May 22, '22

Classes - nothing out of ordinary  
- wrote I. C.

Tues. May 23, '22

Classes - H=3. - studied in  
evening.

Wed. May 24, '22

Last class. - worked - report.  
May go to Black Hills, S. D. on  
field trip.

Thur. May 25, '22

Worked all day and evening - till  
2:30 a.m. - finished report.

Fri. May 26, '22

Passed off Petrology exam. Decided

to go to Canada in June and  
Black Hills in July (if it  
can possibly be arranged that  
way.)

Sat. May 27<sup>th</sup> '22

Worked in morning - studied  
Gunnison with Hazel in afternoon -  
written evening - to bed at 10<sup>th</sup>

During last few days of  
school & afterwards until  
June 19 many things  
took place so that this  
entry is made at a later  
date. Graduated O.K. <sup>40/42</sup> with  
the help of Borrs' Whiskey.  
Spent rest of time working  
at school finishing rock  
table, department work, etc.

18 Cleaned up every thing.

22 Worked with Gunnison  
on rock classification & sent  
small copy to Hanly. Sent  
long report to McCourt.  
(from Canada registered - 6/22/22)

Saw H.V.S. several times!

Left for Aylmer June 18<sup>th</sup>

Application to take Prof. Grant's

(Northwestern U.) field course in

the Lake Superior region

accepted.

Stayed in Canada  
until about July 25. Spent  
first week with Irene. Mr.  
Gorgon came to Brainerd when  
folks decided to spend  
summer there) and she &  
I spent week putting  
place in shape for occupation  
Summer delightful.

Succeeded in getting lots  
out. Lots of swimming, some

fishing and shooting and  
much horseback &  
quail hunting but no  
poker or red dog. Did  
my little drinking (only  
drank one - at which time  
Kevin and I killed a "3)  
& Kevin works in the  
Round House in London  
- had a nice quiet party  
but we became very drunk  
- Kevin got sick.)

Saw Ethel two or three  
times but spent most of  
my time with June.

Returned home to prepare  
for Grants trip.

Spent about 10 days

in St. Louis (July 26-Aug)

getting ready for trip,  
working in my room  
seeing ball games (and  
the moon) with L.C.  
Took ten day trip with  
Graw & May up river  
to Chataqua (geology -  
see p.).

Had a nice south side  
girl named Wegmann out  
one night but as she  
had a slight odor to her  
breath I will not see her  
again left angle for Chi.





Lists

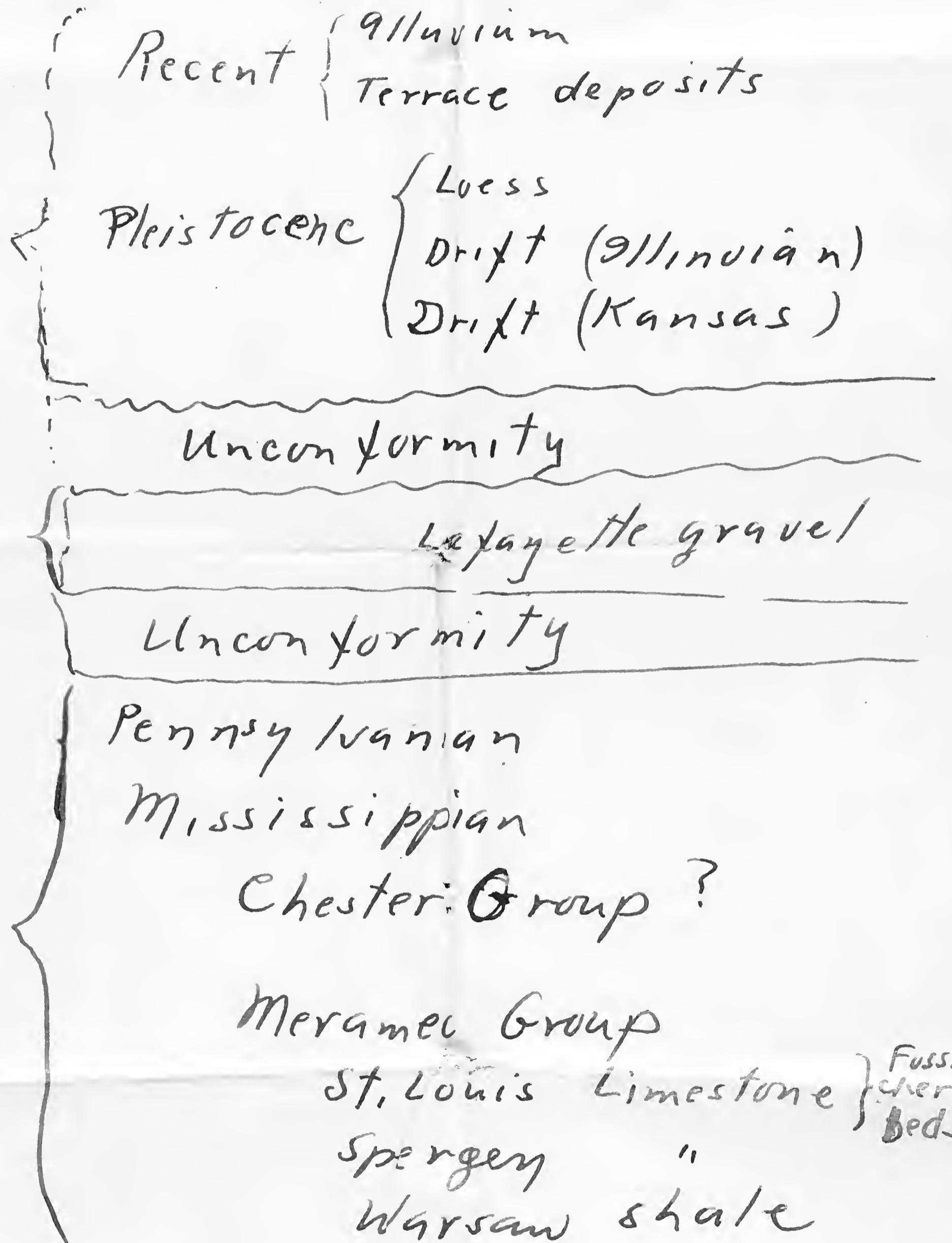




1878



BUCKINGHAM ANNEX  
T. J. DARCEY  
GENERAL MANAGER  
ST. LOUIS, MO.



Bibliography

Ill. state geol survey Monograph 1

Page 20 - 21 St. L. formation } 250 ft  
22 St. Genesee } at Alton } 48 feet

Ill. State Bull 17 for section of  
strata north of Alton Page 70



Location: Bluffs N.W. of Alton Height  
 125 to 175 feet above river. Approx  
 75 to 125 feet of section is Mississippian.  
 Overlying material consists of loess  
 with thin deposit of glacial  
 Till separation loess from limestone  
 East of Alton the Miss. formation  
 gives way to the Permian  
 Karst topography to east

Section at Plant No. 2 of Miss. Lime  
 and Material Company. north  
 west of round house

Material	Feet	
Soil, loessial, dark brown	1	
Loess	20	
Loess (reddish, fossil snails Pipestem concretions)	30	Fossils of mammals found in contact zone of loess and Till.
Glacial till, reddish, erratic pebbles of granite dolerite greenstone quartzite	2-3	
Limestone (mississippian)	100	



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Section at Plant No. 3. At N.E.  
end of quarry. Loess is 18 feet  
thick and accessible for study

### Material

Loess: 2 deposits

Upper - Buff color - fossiliferous

Lower reddish more " than upper

Till - pebbly clay (Kansan?)

Lower portion is calcareous

contains lime concretions abt

8" diameter. Weathered at top

showing it is much older than  
loess

Fossils at contact of loess and till or  
in concretions.

Solution channels well exhibited  
and faces of rock along joints  
are in some cases coated with  
travertine.

1876

